

ROCKY FLATS PLANT  
EMD OPERATING  
PROCEDURES MANUAL  
VOL I: FIELD OPERATIONS

Manual No.: 5-21000-OPS-FO  
New Manual No.: 4-11000-ER-OPS-FO  
Procedure No.: Table of Contents, Rev 62  
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Organization: Environmental Management

THIS IS ONE VOLUME OF A SIX VOLUME SET WHICH INCLUDES:

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VOLUME III: GEOTECHNICAL (GT)  
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FO.05	Handling of Purge and Development Water	2	05/12/92
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ADMINISTRATIVE

DOCUMENT CLASSIFICATION REVIEW WAIVER  
PER R.B. HOFFMAN, CLASSIFICATION OFFICE  
JUNE 11, 1991

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93-DMR-000677	DMR	2	11/01/93
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DCN 93.01	Tank Inspection Log	2	04/13/93
FO.13	Containerization, Preserving, Handling and Shipping of Soil and Water Samples	2	05/12/92
DCN 92.01	Chain of Custody EXPIRED	2	EXPIRED
DCN 92.02	Improve Tracking of Samples	2	12/08/92
DCN 93.01	Chain of Custody Record	2	02/10/93
DCN 93.02	Air Bill COC	2	05/18/93
93-DMR-000530		2	11/04/93
93-DMR-000667		2	11/20/93
94-DMR-000143	Composite Sampling Clarification	2	02/11/94
FO.14	Field Data Management	2	05/12/92
DCN 92.01	EXPIRED (Update Bottle Codes and Lab Codes to Current Status)	2	Expired
DCN 92.02	Clarification of Biological Locations (07/08/92- Extended)	2	11/20/92
DCN 92.03	Changes in Procedures (07/08/92 - Extended)	2	11/20/92
DCN 92.04	Expired	2	Expired
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DCN 92.06	Clarify Description	2	09/28/92
DCN 92.07	Update Bottle Code List	2	09/28/92
DCN 92.08	Add Sub-Contractor Abbreviations	2	10/14/92
DCN 92.09	Major Form Revision	2	11/03/92
DCN 92.10	Elimination of Non-Required Section	2	11/10/92
DCN 92.11	Update Bottle Code & Lab Codes to Current Status	2	12/09/92
DCN 93.01	New Codes	2	01/15/93
DCN 93.02	New Samplers and New Media	2	01/15/93
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FO.15	Photoionization Detectors (PIDs) and Flame Ionization Detectors (FIDs)	2	05/12/92

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FO.16	Field Radiological Measurements	2	05/12/92
DCN 92.04	EXPIRED (Seismic Lines)	1	Expired
DCN 92.05	Addition of HPGe	2	11/24/92
DCN 93.01	FIDLER Surveys	2	01/15/93
DCN 93.02	LUDLUM/FIDLER Guidance	2	06/29/93
FO.17	Determining Out-Of-Specification Analytical Results for Environmental Samples		To Be Added
FO.18	Environmental Sample Radioactivity Content Screening	1	05/12/92
DCN 93.01	Clarification of Procedure	1	01/11/93
FO.19	Base Laboratory Work	2	05/12/92
FO. 23	Management of Soil and Sediment Investigative Derived Materials (IDM)	0	01/11/94
94-DMR-000137	Training Requirements Clarification	0	01/28/94
94-DMR-000148	Section FO.23 Modifications	0	02/09/94
FO.25	4-B11-ER-OPS-FO.25 Shipment of Radioactive Materials Samples	0	12/01/93
FO.27	4-BO1-ER-OPS-FO.27 Collection of Floor/Equipment Hot Water Rinsate Samples	0	07/26/93
DCN 93.01	VOC Preservatives	0	8/11/93
DCN 93.02	Fresh Water Samples	0	8/30/93

## RECEIVING, LABELING, AND HANDLING ENVIRONMENTAL MATERIALS CONTAINERS

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Category 2

### 7.2.2 Temporary Containment of Solid Environmental Materials Pending Characterization

Gray drums will be used for the temporary containment of solid environmental materials that are pending characterization including drill cuttings. For 55-gallon drums that will contain drill cuttings, a black rigid liner and round bottomed bag will be placed in the drum and two liters of RFP-approved desiccant will be placed in the bottom of the drum. Two additional liters will be put into the drum when the drum has been half filled. For 30 gallon drums, use two 5 mil plastic drum liners and place one liter of RFP-approved desiccant in the bottom of the drum and additional one liter of RFP-approved desiccant when the drum is half filled. Cuttings will be placed in the drum until the drum is full to approximately 2 inches from the top of the liner. After filling, gray drums will be sealed with a bolt approximately 90° from the drum seam, counter-clockwise. A temporary sample custody seal will be placed on the bolt or ring assembly until an EG&G representative is available to place permanent wire custody seal. The drum will then be cleaned if muddy for labeling purposes, marked, and placed on pallets. In addition an Environmental Management label will be placed on each drum. Representative environmental samples from an associated well, boring, or sampling location will be sent to an off site laboratory for a full suite of analytical results to characterize these environmental materials. (For 002 Soil Vapor Extraction Pilot Study see DCN 93.07) The drums will remain at the drilling site until a Waste Operations storage area is available. At the time Waste Operations notifies EM that space is available, the drums will be moved to the transfer/storage area to await assessment of the associated environmental samples.

The subcontractor will perform the following steps to ensure the proper handling of the gray drums until transferred to EG&G custody:

- Drums will be checked out from the EG&G drum storage yard with the drum number, subcontractor ID, date and project ID recorded in the drum checkout log.